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Quality Engineering Test Report

SERIES: SKE15B 15W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE:

B: SKE15B-12 +12V / 125~1250mA
D: SKE15B-24 +24V / 62.5~625mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 18~36VDC O/P:FULL LOAD	B:13.4~36VDC	P
2	LINE REGULATION	I/P:18~36VDC SPEC: ±0.3% O/P:FULL LOAD	B: -0.1% ~ +0% D: -0% ~ +0%	P
3	LOAD REGULATION	I/P:24VDC SPEC: ±0.5% O/P:MIN. TO FULL LOAD	B: -0.1% ~ +0.1% D: -0.1% ~ +0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P:18~36VDC SPEC: NONE O/P:MIN. TO FULL LOAD	B: -0.1% ~ +0.1% D: -0.1% ~ +0%	P
5	RIPPLE&NOISE	I/P:24VDC SPEC: B:60mV O/P:FULL LOAD D:80mV	B: 13mV D: 25mV	P
6	DC INPUT CURRENT	I/P:24VDC SPEC: 0.8A O/P:FULL LOAD	B:0.74A	P
7	O/P VOLTAGE ACCURACY	I/P:24VDC SPEC: ±2% O/P:MIN. LOAD	B: -0.5%(11.94V) D: -0.3%(23.93V)	P
8	EFFICIENCY	I/P:24VDC SPEC: B:82% O/P:FULL LOAD D:83%	B: 83.8% D: 84.6%	P
9	OVER LOAD PROTECTION	I/P:24VDC SPEC: 160~250% O/P:TESTING	B: 198% D: 193%	P
10	INSULATION RESISTANCE	SPEC: I/P--O/P: 500VDC/100M Ohms MIN.	B: I/P--O/P >100M Ohms	P
11	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P--O/P: 1000VDC/ 1 min (10mA CUT-OFF)	B: I/P--O/P:<0.002mA	P

NEXT

<table>
<tr><th>NO</th><th>TEST ITEM</th><th>TEST CONDITION / SPECIFICATION</th><th>RESULT</th><th>VERDICT</th></tr>
<tr><td>12</td><td>BURN-IN TEST</td><td>I/P:24VDC O/P:FULL LOAD
TA:28ºC BURN-IN DURATION : 15 hrs</td><td>B: NO BREAK
D: NO BREAK</td><td>P</td></tr>
<tr><td>13</td><td>TEMPERATURE RISE
TEST T rise OF PARTS</td><td>B: I/P :24VDC AFTER 15 hrs BURN-IN
O/P :FULL LOAD TA:28ºC
<table>
<tr><th>POSITION</th><th>SAMPLE</th><th>TEMP</th><th>Trise</th></tr>
<tr><td>CASE</td><td>SKE15B-12</td><td>48.4ºC</td><td>20.4ºC</td></tr>
</table></td><td></td><td>P</td></tr>
<tr><td>14</td><td>CONSTRUCTION
INSPECTION
(FOR QC INSPECTION
REFERENCE ONLY)</td><td colspan="2">1. PACKING : 軌道型塑膠包裝
2. MARKING : MODEL
3. MECHANICAL : MODULAR TYPE, PIN :1.0Øx5mm</td><td></td></tr>
</table>

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
9.5.2002	SKE15B-12 SKE15B-24	PASS	T.K.CHENG	MAX LIN

PREVIOUS